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(54) PRODUCTION OF UREA GREASE IMPROVING ACOUSTIC CHARACTERISTIC

(57)Abstract:

PURPOSE: To obtain urea grease usable for bearings with small diameter, having excellent low-noise characteristics by kneading and dispersing a mixture of urea compound and base oil and heat-treating under a specific condition.

CONSTITUTION: A base oil is reacted with an isocyanate and an amine at 60-120°C to form a mixture of urea compound and base oil. Then the mixture is dispersed by using a kneading device such as three-high roll mill, Fremer mill or Montongorin mill and heated at 0.5-2° C/minute rate of heating to 160-180°C to give the aimed urea grease.

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